EXPONENTIAL INTEGRAL FOR COMPLEX ARGUMENTS Table 5.6

$ze^zE_1(z)$

	$\mathscr{R}$	$\mathscr{I}$	$\mathscr{R}$	$\mathscr{I}$	$\mathscr{R}$	$\mathscr{I}$	$\mathscr{R}$	$\mathscr{I}$	$\mathscr{R}$	$\mathscr{I}$
$y\backslash x$	11		12		13		14		15	
0	0.922260	0.000000	0.927914	0.000000	0.932796	0.000000	0.937055	0.000000	0.940804	0.000000
1	0.922740	0.006063	0.928295	0.005212	0.933105	0.004528	0.937308	0.003972	0.941014	0.003512
2	0.924143	0.011902	0.929416	0.010258	0.934013	0.008932	0.938055	0.007847	0.941636	0.006949
3	0.926370	0.017321	0.931205	0.014991	0.935473	0.013098	0.939261	0.011540	0.942643	0.010242
4	0.929270	0.022171	0.933560	0.019295	0.937408	0.016934	0.940870	0.014974	0.943994	0.013331
5	0.932672	0.026361	0.936356	0.023091	0.939729	0.020373	0.942816	0.018095	0.945640	0.016169
6	0.936400	0.029857	0.939462	0.026339	0.942338	0.023378	0.945024	0.020867	0.947522	0.018725
7	0.940297	0.032670	0.942757	0.029036	0.945140	0.025934	0.947419	0.023273	0.949582	0.020980
8	0.944229	0.034847	0.946132	0.031205	0.948047	0.028052	0.949933	0.025315	0.951765	0.022931
9	0.948093	0.036453	0.949500	0.032887	0.950985	0.029756	0.952502	0.027004	0.954018	0.024582
10	0.951816	0.037566	0.952792	0.034134	0.953895	0.031081	0.955075	0.028365	0.956296	0.025949
11	0.955347	0.038261	0.955958	0.035004	0.956729	0.032068	0.957610	0.029426	0.958563	0.027052
12	0.958659	0.038612	0.958968	0.035552	0.959454	0.032761	0.960073	0.030221	0.960787	0.027915
13	0.961739	0.038684	0.961800	0.035833	0.962049	0.033201	0.962443	0.030781	0.962947	0.028564
14	0.964583	0.038534	0.964447	0.035893	0.964499	0.033428	0.964702	0.031140	0.965026	0.029024
15	0.967199	0.038211	0.966907	0.035775	0.966799	0.033479	0.966843	0.031327	0.967011	0.029320
16	0.969597	0.037756	0.969184	0.035515	0.968947	0.033384	0.968860	0.031370	0.968897	0.029476
17	0.971789	0.037200	0.971285	0.035144	0.970946	0.033172	0.970752	0.031293	0.970680	0.029512
18	0.973792	0.036572	0.973220	0.034687	0.972802	0.032865	0.972521	0.031117	0.972359	0.029448
19	0.975621	0.035893	0.974999	0.034166	0.974521	0.032485	0.974172	0.030862	0.973936	0.029301
20	0.977290	0.035179	0.976634	0.033597	0.976112	0.032049	0.975709	0.030542	0.975414	0.029086
$y\backslash x$	16		17		18		19		20	
0	0.944130	0.000000	0.947100	0.000000	0.949769	0.000000	0.952181	0.000000	0.954371	0.000000
1	0.944306	0.003128	0.947250	0.002804	0.949897	0.002527	0.952291	0.002290	0.954467	0.002085
2	0.944829	0.006196	0.947693	0.005560	0.950277	0.005016	0.952619	0.004549	0.954752	0.004144
3	0.945678	0.009150	0.948416	0.008223	0.950898	0.007430	0.953156	0.006745	0.955219	0.006151
4	0.946824	0.011940	0.949395	0.010754	0.951741	0.009735	0.953887	0.008853	0.955856	0.008084
5	0.948226	0.014529	0.950600	0.013121	0.952782	0.011904	0.954793	0.010847	0.956650	0.009922
6	0.949842	0.016886	0.951995	0.015296	0.953995	0.013916	0.955853	0.012709	0.957581	0.011649
7	0.951624	0.018994	0.953545	0.017265	0.955349	0.015753	0.957043	0.014425	0.958631	0.013253
8	0.953527	0.020847	0.955212	0.019019	0.956815	0.017409	0.958337	0.015986	0.959779	0.014723
9	0.955509	0.022445	0.956960	0.020555	0.958363	0.018878	0.959712	0.017387	0.961004	0.016056
10	0.957530	0.023797	0.958758	0.021878	0.959966	0.020163	0.961144	0.018628	0.962288	0.017250
11	0.959559	0.024917	0.960576	0.022998	0.961598	0.021270	0.962612	0.019712	0.963611	0.018305
12	0.961568	0.025823	0.962391	0.023927	0.963238	0.022207	0.964097	0.020645	0.964956	0.019227
13	0.963534	0.026534	0.964181	0.024679	0.964868	0.022984	0.965582	0.021436	0.966310	0.020021
14	0.965443	0.027070	0.965931	0.025271	0.966472	0.023616	0.967052	0.022094	0.967658	0.020694
15	0.967280	0.027453	0.967628	0.025720	0.968039	0.024114	0.968496	0.022629	0.968990	0.021255
16	0.969038	0.027700	0.969264	0.026041	0.969558	0.024493	0.969906	0.023052	0.970297	0.021712
17	0.970712	0.027831	0.970832	0.026249	0.971023	0.024765	0.971273	0.023375	0.971571	0.022075
18	0.972300	0.027862	0.972328	0.026361	0.972430	0.024943	0.972594	0.023607	0.972808	0.022352
19	0.973800	0.027809	0.973751	0.026388	0.973775	0.025038	0.973863	0.023760	0.974004	0.022552
20	0.975215	0.027685	0.975099	0.026343	0.975057	0.025062	0.975079	0.023842	0.975155	0.022684

EXPONENTIAL INTEGRAL FOR SMALL COMPLEX ARGUMENTS Table 5.7

$e^zE_1(z)$

	$\mathscr{R}$	$\mathscr{I}$	$\mathscr{R}$	$\mathscr{I}$	$\mathscr{R}$	$\mathscr{I}$	$\mathscr{R}$	$\mathscr{I}$	$\mathscr{R}$	$\mathscr{I}$
$y\backslash x$	−4.0		−3.5		−3.0		−2.5		−2.0	
0.0	−0.359552	−0.057540	−0.420509	−0.094868	−0.494576	−0.156411	−0.580650	−0.257878	−0.670483	−0.425168
0.2	−0.347179	−0.078283	−0.400596	−0.119927	−0.462493	−0.185573	−0.528987	−0.289009	−0.587558	−0.451225
0.4	−0.333373	−0.096648	−0.379278	−0.141221	−0.429554	−0.208800	−0.478303	−0.310884	−0.510543	−0.463193
0.6	−0.318556	−0.112633	−0.357202	−0.158890	−0.396730	−0.226575	−0.429978	−0.324774	−0.441128	−0.464163
0.8	−0.303109	−0.126301	−0.334923	−0.173169	−0.364785	−0.239500	−0.384941	−0.332047	−0.380013	−0.457088
1.0	−0.287369	−0.137768	−0.312894	−0.184355	−0.334280	−0.248231	−0.343719	−0.334043	−0.327140	−0.444528

$E_1(z)+\ln z$

$y\backslash x$	−2.0		−1.5		−1.0		−0.5		0	
0.0	−4.261087	0.000000	−2.895820	0.000000	−1.895118	0.000000	−1.147367	0.000000	−0.577216	0.000000
0.2	−4.219228	0.636779	−2.867070	0.462804	−1.875155	0.342700	−1.133341	0.258840	−0.567232	0.199556
0.4	−4.094686	1.260867	−2.781497	0.917127	−1.815717	0.679691	−1.091560	0.513806	−0.537482	0.396461
0.6	−3.890531	1.859922	−2.641121	1.354712	−1.718135	1.005410	−1.022911	0.761122	−0.488555	0.588128
0.8	−3.611783	2.422284	−2.449241	1.767748	−1.584591	1.314586	−0.928842	0.997200	−0.421423	0.772095
1.0	−3.265262	2.937296	−2.210344	2.149077	−1.418052	1.602372	−0.811327	1.218731	−0.337404	0.946083
$y\backslash x$	0.5		1.0		1.5		2.0		2.5	
0.0	−0.133374	0.000000	0.219384	0.000000	0.505485	0.000000	0.742048	0.000000	0.941206	0.000000
0.2	−0.126168	0.157081	0.224661	0.126210	0.509410	0.103432	0.745014	0.086359	0.943484	0.073355
0.4	−0.104687	0.312331	0.240402	0.251143	0.521123	0.205962	0.753871	0.172075	0.950289	0.146246
0.6	−0.069328	0.463961	0.266336	0.373547	0.540441	0.306707	0.768490	0.256515	0.961532	0.218215
0.8	−0.020743	0.610264	0.302022	0.492229	0.567061	0.404823	0.788664	0.339075	0.977068	0.288822
1.0	+0.040177	0.749655	0.346856	0.606074	0.600568	0.499516	0.814107	0.419185	0.996699	0.357653